THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE) (a) and (b) Yes, Sir. According to the 17th Electric Power Survey of India, published by the Central Electricity Authority (CEA), the estimates of electricity demand for the State of Tamil Nadu at the end of the Eleventh Plan (2011-12), in terms of peak demand and energy requirement, are projected to be 14,224 MW and 87,222 million units respectively.

(c) to (e) Electricity is a concurrent subject. The actual surplus/shortage position in each State would therefore depend upon the generation capacities that get commissioned in the different sectors. An all-India generation capacity addition of 78,577 MW has been envisaged for the Eleventh Plan to meet the projected All-India demand, consisting of projects in the Central, State and private sectors; under the State sector in Tamil Nadu, a capacity addition of 1,152 MW has been proposed. Tamil Nadu will also have a share in the Central sector projects likely to yield benefits during Eleventh Plan in the Southern region. However, in addition to the proposed generation capacity addition, the inter-State transmission. capacity is also being augmented by the Central Government to enable inter-State transfer of power.

Technology for safety of women workers

2877. MS. PRAMILA BOHIDAR:
SHRI B.J. PANDA:

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether it is proposed to use GPS technology to enhance safety of women workers in the country; and

(b) if so, the details thereof, indicating the time-frame within which it would be initiated and completed?

THE MINISTER OF SCIENCE AND TECHNOLOGY (SHRI KAPIL SIBAL): (a) No, Sir.

(b) Does not arise.

Collagen based wound dressing developed by CLRI

2878. SHRI RAJKUMAR DHOOT: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether it is a fact that the Central Leather Research Institute (CLRI), Chennai has designed collagen based wound dressing to deliver the therapeutic agents in a finite dose and controlled fashion:

(b) if so, the details thereof;

(c) whether the biphasic delivery device has been commercially produced; and

(d) if so the details thereof?

THE MINISTER OF SCIENCE AND TECHNOLOGY (SHRI KAPIL SIBAL): (a) and (b) Yes Sir. Central Leather Research Institute(CLRI), Chennai has

developed two collagen based products along with drug delivery system for wound dressing. The details of the developed products are as follows:

(i) The first collagen-based dressing for controlled delivery of Silver Sulphadiazine has been developed to address infection during healing process. The preparation of collagen scaffold impregnated with silver sulphadiazine (SSD) loaded alginate microspheres is capable of delivering the drug in a controlled manner, thus reducing frequency of dressing change and making wound assessment and management easier.

(ii) Another product is collagen based wound dressing material to deliver ciprofloxacin, an antibiotic.

(c) No Sir.

(d) Does not arise.

Funds to Global Research Alliance by CSIR

2879. SHRI A. VIJAYARAGHAVAN: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether CSIR had provided funds to Global Research Alliance (GRA);

(b) if so, the details of members/member organizations of GRA and financial support granted by CSIR and utilized by GRA during the last three years, yearwise;

(c) the details of representatives of CSIR in the above organization, if any, during the last three years, year-wise and category-wise; and

(d) the reasons for providing financial support to above organization?

THE MINISTER OF SCIENCE AND TECHNOLOGY (SHRI KAPIL SIBAL): (a) and (b) Yes, Sir. The GRA has nine members. These are: (i) Battelle Memorial Institute, USA (ii) CSIR, South Africa (iii) CSIR, India (iv) Australian Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia (v) Danish Technological Institute (DTI), Denmark (vi) Fraunhofer Gesellschaft (FhG), Germany (vii) SIRIM Berhad, Malaysia (viii) Netherlands Organisation for Applied Scientific Research (TNO), The Netherlands, and (ix) VTT Technical Research Centre, Finland. CSIR, like all other members, equally contributes funds for the operations of the GRA secretariat. Accordingly, CSIR has contributed US$ 15,000 in 2004 and US$ 20,000 in 2005 and US$ 22,500 in 2006. The GRA secretariat on an average utilizes around three fourths of the contributions received by the end of every calendar year.

(c) The CSIR representatives on the GRA during the last three years, 2004, 2005 and 2006 were:

(i) Dr. R.A. Mashelkar, Director-General, CSIR as the CSIR Principal.

(ii) Shri R.S. Saxena, Scientist, CSIR Hq as the CSIR Champion.

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†Original notice of the question was received in Hindi.